

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-21: Cancelled

22. (Currently Amended) A compound ~~of claim 1~~ selected from the group consisting of:

(2-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Bromophenyl)-[2-(3-dimethylamino-propylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-{3-methyl-2-[2-(1-methylpyrrolidin-2-yl)-ethylsulfanyl]-3*H*-imidazol-4-yl}-methanone;

(4-Fluorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(3-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[3-methyl-2-(3-piperidin-1-yl-propylsulfanyl)-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[2-(3-dimethylamino-propylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-methanone oxime;

(4-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

[2-(3-Dimethylamino-propylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-phenyl-methanone;

(3,5-Dichlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

[2-(1-Isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-(4-trifluoromethyl-phenyl)-methanone;

[2-(1-Isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-(4-nitro-phenyl)-methanone;

(4-Bromophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Bromophenyl)-[2-(1-ethyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[3-methyl-2-(1-methyl-piperidin-4-ylsulfanyl)-3*H*-imidazol-4-yl]-methanone;

(4-Bromophenyl)-[3-methyl-2-(3-piperidin-1-yl-propylsulfanyl)-3*H*-imidazol-4-yl]-methanone;

4-{Hydroxy-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methyl}-benzonitrile; and

(4-Bromophenyl)-[2-(1-*sec*-butyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

or a pharmaceutically acceptable ester, ether, *N*-oxide, amide, salt, hydrate or isotopically labeled form thereof.

23. (Currently Amended) A compound of claim ~~1~~ 22 selected from the group consisting of:

(2-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Bromophenyl)-[2-(3-dimethylamino-propylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-{3-methyl-2-[2-(1-methylpyrrolidin-2-yl)-ethylsulfanyl]-3*H*-imidazol-4-yl}-methanone;

(4-Fluorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(3-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[3-methyl-2-(3-piperidin-1-yl-propylsulfanyl)-3*H*-imidazol-4-yl]-methanone;

(4-Chlorophenyl)-[2-(3-dimethylamino-propylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-methanone oxime;

(4-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;

[2-(3-Dimethylamino-propylsulfanyl)-3-methyl-3*H*-imidazol-4-yl]-phenyl-methanone;  
(3,5-Dichlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;  
[2-(1-Isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-(4-trifluoromethyl-phenyl)-methanone;  
[2-(1-Isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-(4-nitro-phenyl)-methanone; and  
(4-Bromophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;  
or a pharmaceutically acceptable ~~ester, ether, *N*-oxide, amide, salt, hydrate or isotopically labeled form~~ thereof.

24. (Currently Amended) A compound of claim + 23 selected from the group consisting of:  
(4-Fluorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone;  
(4-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone; and  
[2-(1-Isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-(4-nitro-phenyl)-methanone;  
or a pharmaceutically acceptable ~~ester, ether, *N*-oxide, amide, salt, hydrate or isotopically labeled form~~ thereof.

25. (Currently Amended) The compound of claim + 24 having the formula (4-Chlorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone or a pharmaceutically acceptable ~~ester, ether, *N*-oxide, amide, salt, hydrate or isotopically labeled form~~ thereof.

26. (Currently Amended) The compound of claim + 24 having the formula (4-Fluorophenyl)-[2-(1-isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-methanone or a pharmaceutically acceptable ~~ester, ether, *N*-oxide, amide, salt, hydrate or isotopically labeled form~~ thereof.

27. (Currently Amended) The compound of claim ~~1~~ 24 having the formula [2-(1-Isopropyl-piperidin-4-ylmethoxy)-3-methyl-3*H*-imidazol-4-yl]-(4-nitro-phenyl)-methanone or a pharmaceutically acceptable ~~ester, ether, *N*-oxide, amide, salt, hydrate or isotopically labeled form~~ thereof.

28-30: Cancelled.

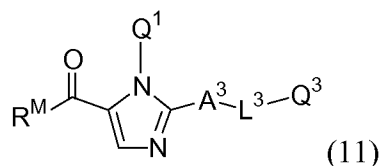
31. (Currently Amended) A pharmaceutical composition comprising a pharmaceutically acceptable excipient and a compound of claim ~~1, 20, 21, or 24~~ 22.

32. (Cancelled)

33. (Currently Amended) A method of treating a subject having a disease or condition modulated by histamine H<sub>3</sub> receptor activity, comprising administering to the subject a therapeutically effective amount of a compound of claim ~~1, 21, or 24~~ 22, wherein said disease or condition is selected from the group consisting of sleep/wake disorders, arousal/vigilance disorders, migraine, epilepsy and narcolepsy.

34-39. Cancelled

40. (Previously Presented) A process for the production of a compound of the formula (11):



wherein:

Q<sup>1</sup> is selected from the group consisting of C<sub>1-7</sub> alkyl, C<sub>1-7</sub> haloalkyl and C<sub>2-7</sub> alkenyl;

wherein Q<sup>1</sup> may be substituted with one or more substituents selected from the group consisting of halo, cyano, hydroxy, OR<sup>11</sup>, C<sub>1-5</sub> alkyl, C<sub>1-5</sub> haloalkyl, C<sub>2-5</sub> alkenyl, nitro, amino (H<sub>2</sub>N-), R<sup>11</sup>HN-, R<sup>11</sup>R<sup>12</sup>N-, (H<sub>2</sub>NC(O)), R<sup>11</sup>HNC(O), R<sup>11</sup>R<sup>12</sup>NC(O) and R<sup>11</sup>OC(O), and wherein R<sup>11</sup> and R<sup>12</sup> are independently C<sub>1-5</sub> alkyl, C<sub>1-5</sub> haloalkyl or C<sub>2-5</sub> alkenyl;

$R^M$  is selected from the group consisting of  $C_{1-7}$  alkyl,  $R^{M1}HN-R^{M1}R^{M2}N-$ ,  $C_{3-7}$  cycloalkyl, aryl, biaryl and 4-7 membered heterocyclyl, wherein  $R^M$  may be substituted with one or more substituents independently selected from the group consisting of halo, cyano, hydroxy,  $OR^{M1}$ ,  $C_{1-5}$  alkyl,  $C_{1-5}$  haloalkyl,  $C_{2-5}$  alkenyl, nitro, amino ( $H_2N-$ ),  $R^{M1}HN-$ ,  $R^{M1}R^{M2}N-$ , amido ( $H_2NC(O)$ ),  $R^{M1}HNC(O)$  and  $R^{M1}R^{M2}NC(O)$ , and wherein  $R^{M1}$  and  $R^{M2}$  are independently  $C_{1-5}$  alkyl,  $C_{1-5}$  haloalkyl or  $C_{2-5}$  alkenyl;

$A^3$  is  $NH$ ,  $NR^3$ , sulfur or oxygen, wherein  $R^3$  is  $C_{1-5}$  alkyl;

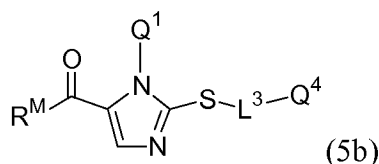
$L^3$  is  $C_{1-7}$  alkyl or  $C_{2-7}$  alkenyl;

wherein  $L^3$  may be substituted with one or more substituents selected from the group consisting of halo, hydroxy, methoxy and amino ( $H_2N-$ ); or  $L^3$  is absent; and

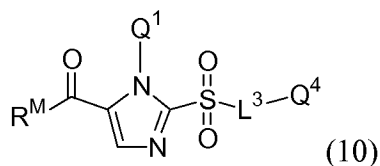
$Q^3$  is selected from the group consisting of  $C_{1-7}$  alkyl,  $C_{1-7}$  haloalkyl,  $C_{2-7}$  alkenyl,  $C_{3-7}$  cycloalkyl,  $C_{5-7}$  cycloalkenyl, aryl, 4-7 membered heterocyclyl,  $C_{3-7}$  cycloalkyl-4-7 membered heterocyclyl, 4-7 membered heterocyclyl-  $C_{3-7}$  cycloalkyl, bi-(4-7 membered heterocyclyl),  $R^{31}HN-$ ,  $R^{31}R^{32}N-$ , azinoyl ( $R^{31}HN^+(O^-)$  or  $R^{31}R^{32}N^+(O^-)$ ),  $C_{3-7}$  cycloalkylamino, 4-7 membered heterocyclylamino, aryl  $C_{1-6}$  alkylamino,  $C_{3-7}$  cycloalkylsulfanyl, 4-7 membered heterocyclylsulfanyl and 4-7 membered heterocyclyloxy;

wherein  $Q^3$  may be substituted with one or more substituents selected from the group consisting of halo, cyano, hydroxy,  $OR^{31}$ ,  $C_{1-5}$  alkyl,  $C_{1-5}$  haloalkyl,  $C_{2-5}$  alkenyl, nitro, amino ( $H_2N-$ ),  $R^{31}HN-$ ,  $R^{31}R^{32}N-$ , ( $H_2NC(O)$ ),  $R^{31}HNC(O)$ ,  $R^{31}R^{32}NC(O)$ ,  $R^{31}OC(O)$ ,  $C_{3-7}$  cycloalkyl, monocyclic 4-7 membered heterocyclyl and monocyclic 4-7 membered heterocyclyl-  $C_{1-6}$  alkyl, and wherein  $R^{31}$  and  $R^{32}$  are independently  $C_{1-5}$  alkyl,  $C_{1-5}$  haloalkyl or  $C_{2-5}$  alkenyl;

that comprises treating a compound of the formula (5b)



wherein  $Q^4$  is hydrogen, with an oxidizing agent resulting in an intermediate compound of the formula (10)



and treating said intermediate compound (10) with a reagent  $H-A^3-L^3-Q^3$ , wherein  $L^3$  of the reagent  $H-A^3-L^3-Q^3$  is independent of  $L^3$  of formula (5b) and formula (10), in the presence of a base in a suitable solvent yielding said compound of formula 11.

41. (Original) A process according to claim 40, wherein said oxidizing agent is either hydrogen peroxide in acetic acid, or 3-chloroperoxybenzoic acid in dichloromethane or diethyl ether.

42. (Original) A process according to claim 40, wherein said base is an alkali metal hydride.

43. (Original) A process according to claim 42, wherein said alkali metal hydride is sodium hydride.

44. (Original) A process according to claim 50, wherein said suitable solvent is a member selected from the group consisting of dimethylformamide, benzene, 1,2-dimethoxyethane and tetrahydrofuran.

45. (Original) A process according to claim 54, wherein said suitable solvent is tetrahydrofuran.